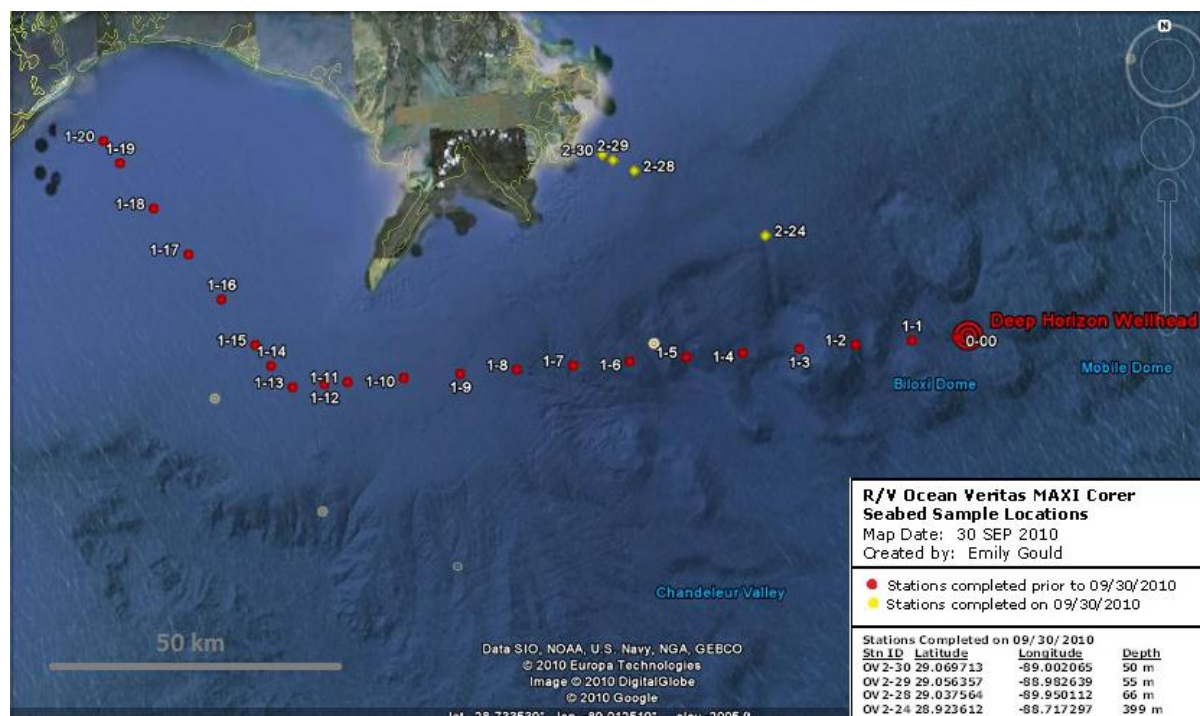


<i>Seabed Sampling and Baited Camera Operations</i>	
Vessel	R/V Ocean Veritas
Summary Report Number	05
Operating equipment	MAXI Corer (8 core unit)
Date	30 September 2010
Completed casts (12 hr)	4
Report compiled by	Brian Critchley/Emily Gould

Seabed Sampling Locations



All cores were processed and stored in accordance with SOPOV01. GC/MS and Microtox™ toxicology testing was planned to be conducted offshore, however outstanding supplies meant that this was not possible. Samples were prepared and stored for hydrocarbon, trace metal, BTEX, grainsize, total inorganic carbon, total organic carbon, meiofauna and macrofauna testing and analysis onshore.

The core tube is 60 cm in length with an internal diameter of 10 cm. Typical sample recovery from the core is as follows:

Supernatant water: length = 15 cm, volume = 1178 cm³

Sediment: length = 45 cm, volume = 3534 cm³

Station 2-30

Lat: 29.069713

Long: -89.002065

Cores recovered: 8 out of 8

Supernatant water

Recovery: 10 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 50 cm

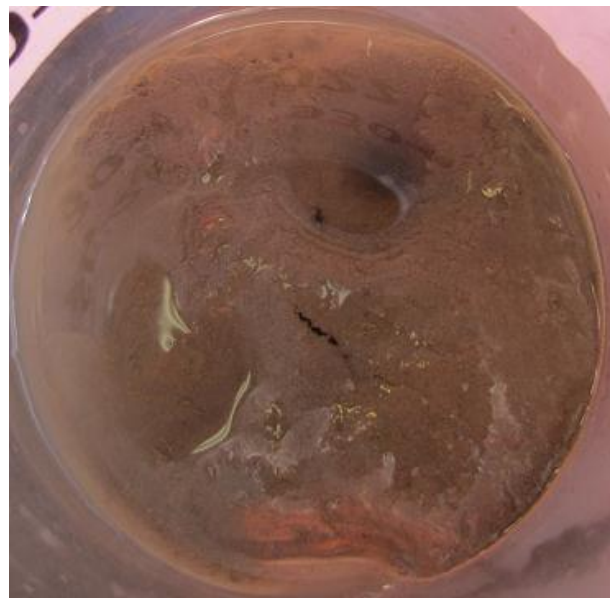
Visible contamination: None

Olfactible contamination: None

Description: Olive brown fluidized sediment to approximately 1 mm depth. Dark grey, very soft to soft, homogenous silty clay with a firm layer of very fine sand ~30cm.

Biota: Worms.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



Station 2-29

Lat: 29.056357

Long: -88.982639

Cores recovered: 7 out of 8

Supernatant water

Recovery: 6.5 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 53.5 cm

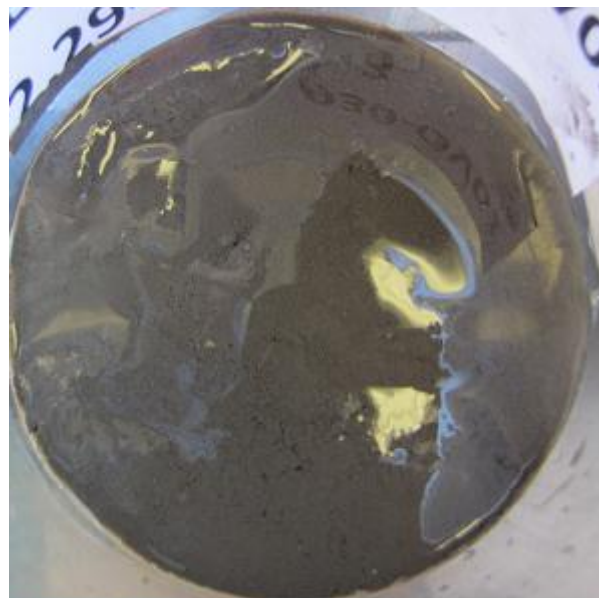
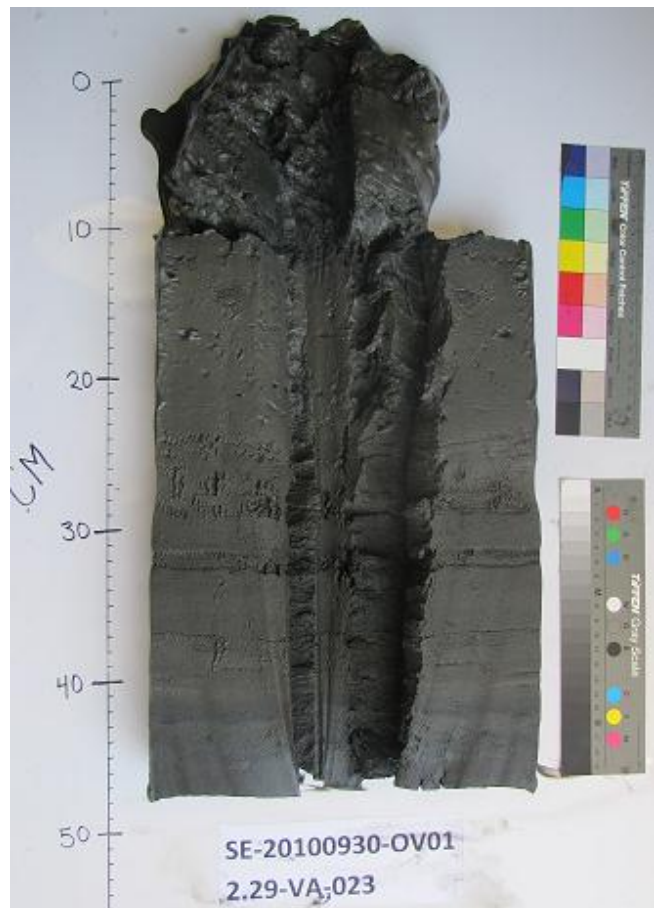
Visible contamination: None

Olfactible contamination: None

Description: Olive brown fluidized sediment to approximately 1 mm depth. Dark olive green, very soft to soft, homogenous silty clay, with a firm layer of very fine sand ~30cm and thin organic banding throughout

Biota: Worms and live bivalve.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



Station 2-28

Lat: 29.037564

Long: -89.950112

Cores recovered: 8 out of 8

Supernatant water

Recovery: 17 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 43 cm

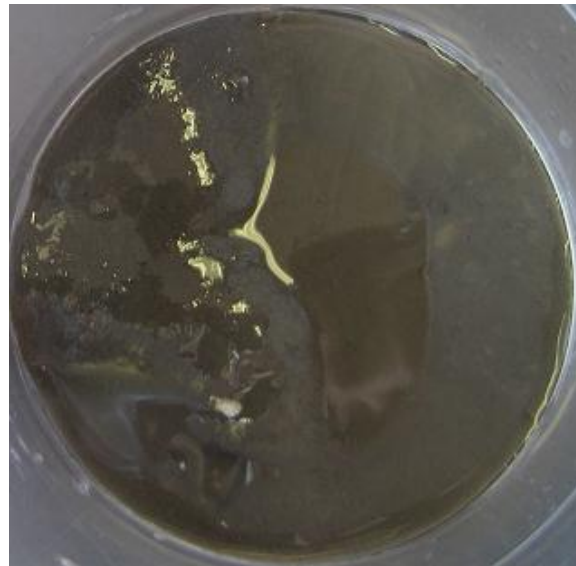
Visible contamination: None

Olfactible contamination: None

Description: Dark grey fluidized sediment to approximately 1 cm depth. Olive grey, very soft to soft, homogenous silty clay with a firm layer of very fine sand ~10cm.

Biota: Crab and shrimp.

Top 3 cm removed for GC/MS analysis prior to core extrusion.



Station 2-24

Lat: 28.923612

Long: -88.717297

Cores recovered: 8 out of 8

Supernatant water

Recovery: 17 cm

Visible contamination: None

Olfactible contamination: None

Sediment

Recovery: 43 cm

Visible contamination: None

Olfactible contamination: None

Description: Dark grey fluidized sediment to approximately 1 cm depth. Olive green, very soft to soft, homogenous silty clay.

Biota: None.

Top 10 cm removed for Macrofauna analysis prior to core extrusion.

